

High Sensitivity Smoke Detector (HSSD) Response Procedure

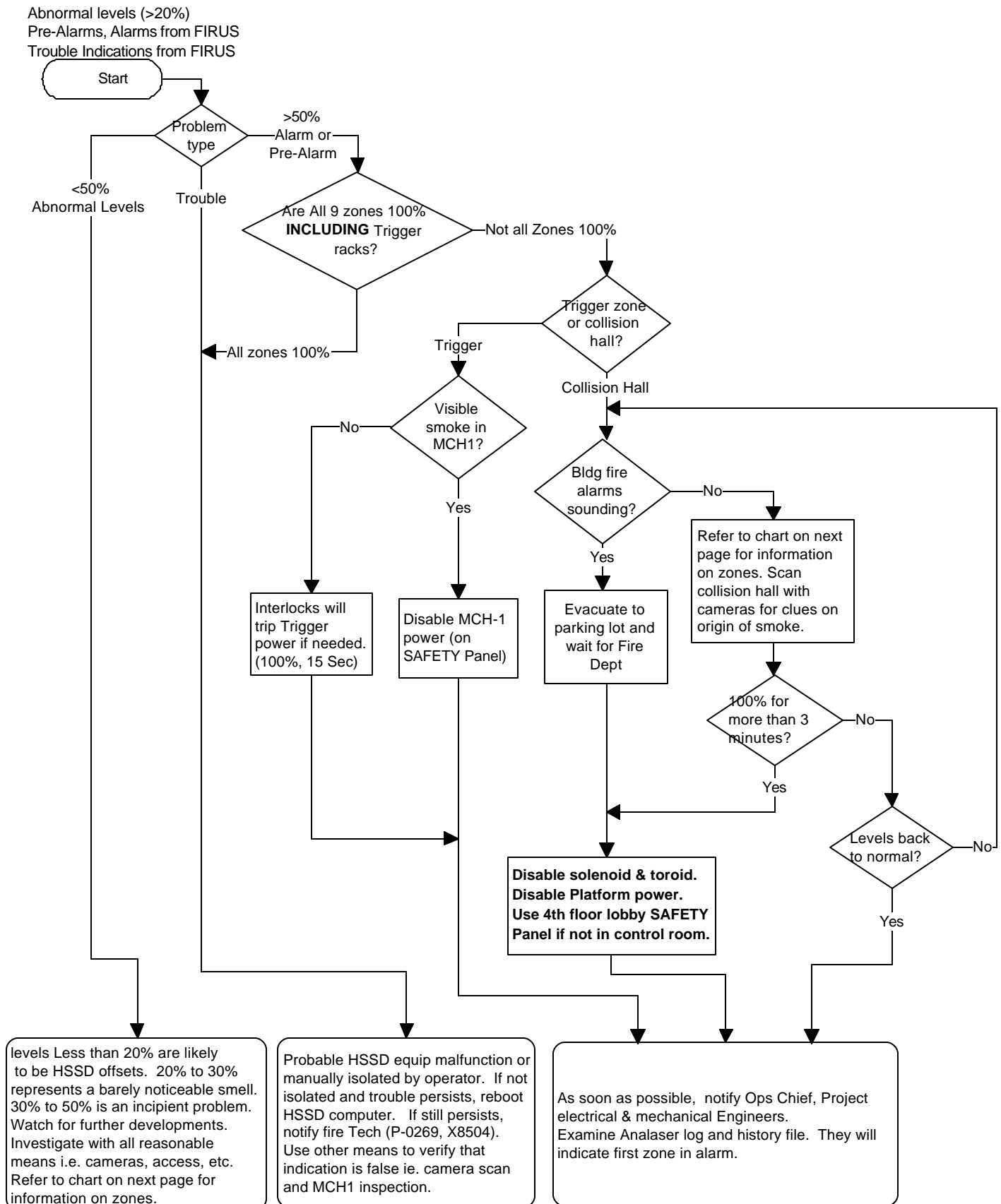


Table of Zones and Responses

Vesda Zone	Coverage	Condition	Response
Cathedral	Silicon Detector interface racks and all of central cathedral area	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (50%, 15 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 15 Sec)	Interlock disable of SMT interface power supplies
		Alarm 3 (100%, 15 Sec)	FIRUS message "VESDA Hi-alarm"
Cal Preamp	Calorimeter preamp boxes	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (50%, 15 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 15 Sec)	Interlock disable of Cal Preamp power supplies
		Alarm 3 (100%, 15 Sec)	FIRUS message "VESDA Hi-alarm"
Platform	All of platform including central, north, and south area.	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (20%, 1 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (30%, 5 Sec)	Interlock disable of VLPC power supplies
		Alarm 3 (50%, 10 Sec)	FIRUS message "VESDA Hi-alarm" Initiates bldg alarms and dispatch fire trucks
Central Truss	Central Muon truss devices (PDT power supplies and free-standing VME crates) in all levels east and west	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (50%, 20 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 60 Sec)	Reserved - Interlock contact available on platform
		Alarm 3 (100%, 60 Sec)	FIRUS message "VESDA Hi-alarm" Initiates bldg alarms and dispatch fire trucks
North AB Truss	North Muon A & B layer truss devices (MDT paks, PDT power supplies, free-standing VME crates), top and sides	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (50%, 15 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 30 Sec)	Reserved
		Alarm 3 (100%, 30 Sec)	FIRUS message "VESDA Hi-alarm"
North C Truss	North C Layer Truss Devices, top and sides	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (50%, 20 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 60 Sec)	Reserved
		Alarm 3 (100%, 60 Sec)	FIRUS message "VESDA Hi-alarm" Initiates bldg alarms and dispatch fire trucks
South AB Truss	South Muon A & B layer truss devices (MDT paks, PDT power supplies, free-standing VME crates), top and sides	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message "VESDA Fire Panel Trouble"
		Alarm 1 (50%, 15 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 30 Sec)	Reserved
		Alarm 3 (100%, 30 Sec)	FIRUS message "VESDA Hi-alarm"
South C Truss	South C Layer Truss Devices, top and sides	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message
		Alarm 1 (50%, 20 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 (100%, 60 Sec)	Reserved
		Alarm 3 (100%, 60 Sec)	FIRUS message "VESDA Hi-alarm" Initiates bldg alarms and dispatch fire trucks
Trigger Framework	MCH-1 Trigger Framework on MCH1 south, and top of trigger racks in vicinity of m324.	Trouble (power, airflow, detector, cpu, isolated)	FIRUS message
		Alarm 1 (50%, 15 Sec)	FIRUS message "VESDA Pre-alarm"
		Alarm 2 condition (100%, 15 Sec)	Interlock disable of Trigger Framework
		Alarm 3 (100%, 15 Sec)	FIRUS message "VESDA Hi-alarm"